

(FILE 'HOME' ENTERED AT 11:54:21 ON 24 JUN 2003)

FILE 'BIOSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDLINE, SCISEARCH,
USPATFULL, JAPIO' ENTERED AT 11:54:33 ON 24 JUN 2003

L1 684 S MIZUNO, TAKASHI/AU
L2 1 S L1 AND CORDYCEPS

FILE 'BIOSIS, CABA, CAPLUS, EMBASE, LIFESCI, MEDLINE, SCISEARCH,
USPATFULL, JAPIO' ENTERED AT 11:56:59 ON 24 JUN 2003

L3 1895 S CORDYCEPS
L4 10 S L3 AND HYPHAL BODIES
L5 0 S L4 AND FRUIT BODIES
L6 5089 S FRUIT BODIES
L7 171 S L6 AND HYPHAL
L8 79 S L7 AND FUNGI
L9 64 DUP REM L8 (15 DUPLICATES REMOVED)

=>

Logging in to Dialog

Trying 31060000009999...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

ENTER PASSWORD:

Welcome to DIALOG

Dialog level 02.15.02D

Last logoff: 19jun03 13:24:57

Logon file405 25jun03 10:32:16

*** ANNOUNCEMENT ***

--File 581 - The 2003 annual reload of Population Demographics is complete. Please see Help News581 for details.

--File 156 - The 2003 annual reload of ToxFile is complete. Please see HELP NEWS156 for details.

--File 990 - NewsRoom now contains February 2003 to current records. File 992 - NewsRoom 2003 archive has been newly created and contains records from January 2003. The oldest months's records roll out of File 990 and into File 992 on the first weekend of each month. To search all 2003 records BEGIN 990, 992, or B NEWS2003, a new OneSearch category.

--Connect Time joins DialUnits as pricing options on Dialog. See HELP CONNECT for information.

--CLAIMS/US Patents (Files 340,341, 942) have been enhanced with both application and grant publication level in a single record. See HELP NEWS 340 for information.

--SourceOne patents are now delivered to your email inbox as PDF replacing TIFF delivery. See HELP SOURCE1 for more information.

--Important news for public and academic libraries. See HELP LIBRARY for more information.

--Important Notice to Freelance Authors--
See HELP FREELANCE for more information

NEW FILES RELEASED

***World News Connection (File 985)

***Dialog NewsRoom - 2003 Archive (File 992)

***TRADEMARKSCAN-Czech Republic (File 680)

***TRADEMARKSCAN-Hungary (File 681)

***TRADEMARKSCAN-Poland (File 682)

UPDATING RESUMED

RELOADED

***Population Demographics -(File 581)

***CLAIMS Citation (Files 220-222)

REMOVED

***U.S. Patents Fulltext 1980-1989 (File 653)

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
>>> of new databases, price changes, etc. <<<

* * * * See HELP NEWS 225 for information on new search prefixes
and display codes

SYSTEM:HOME

Cost is in DialUnits

Menu System II: D2 version 1.7.9 term=ASCII

*** DIALOG HOMEBASE(SM) Main Menu ***

Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
5. Product Descriptions

Connections:

6. DIALOG(R) Document Delivery
7. Data Star(R)

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/H = Help

/L = Logoff

/NOMENU = Command Mode

Enter an option number to view information or to connect to an online
service. Enter a BEGIN command plus a file number to search a database
(e.g., B1 for ERIC).

? dialog

>>Invalid Option Number

*** DIALOG HOMEBASE(SM) Main Menu ***

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Enter an option number to view information or to connect to an online
service. Enter a BEGIN command plus a file number to search a database
(e.g., B1 for ERIC).

? b 410

25jun03 10:32:18 User226352 Session D708.1

\$0.00 0.153 DialUnits FileHomeBase
 \$0.00 Estimated cost FileHomeBase
 \$0.00 Estimated cost this search
 \$0.00 Estimated total session cost 0.153 DialUnits

File 410:Chronolog(R) 1981-2003/Mar
 (c) 2003 The Dialog Corporation

Set Items Description

? set hi ;set hi

HILIGHT set on as ''

HILIGHT set on as ''

? file 411

25jun03 10:32:26 User226352 Session D708.2

\$0.00 0.071 DialUnits File410

\$0.00 Estimated cost File410

\$0.03 TELNET

\$0.03 Estimated cost this search

\$0.03 Estimated total session cost 0.223 DialUnits

File 411:DIALINDEX(R)

DIALINDEX(R)

(c) 2003 The Dialog Corporation plc

*** DIALINDEX search results display in an abbreviated ***

*** format unless you enter the SET DETAIL ON command. ***

? sf allscience

You have 283 files in your file list.

(To see banners, use SHOW FILES command)

? s insect? and blastospore?

Your SELECT statement is:

s insect? and blastospore?

Items	File
101	5: Biosis Previews(R) 1969-2003/Jun W3
1	8: Ei Compendex(R) 1970-2003/Jun W3
46	10: AGRICOLA 70-2003/Jun
1	16: Gale Group PROMT(R) 1990-2003/Jun 24
36	34: SciSearch(R) Cited Ref Sci 1990-2003/Jun W4
3	35: Dissertation Abs Online 1861-2003/May
2	47: Gale Group Magazine DB(TM) 1959-2003/Jun 20
112	50: CAB Abstracts 1972-2003/May
2	65: Inside Conferences 1993-2003/Jun W4
12	71: ELSEVIER BIOBASE 1994-2003/Jun W4
7	73: EMBASE 1974-2003/Jun W3
4	94: JICST-Eplus 1985-2003/Jun W4
1	98: General Sci Abs/Full-Text 1984-2003/May
Examined 50 files	
2	143: Biol. & Agric. Index 1983-2003/May
42	144: Pascal 1973-2003/Jun W2
1	148: Gale Group Trade & Industry DB 1976-2003/Jun 24
1	149: TGG Health&Wellness DB(SM) 1976-2003/Jun W3
13	155: MEDLINE(R) 1966-2003/Jun W3
1	156: ToxFile 1965-2003/Jun W4
8	162: Global Health 1983-2003/May
9	185: Zoological Record Online(R) 1978-2003/Jun
20	203: AGRIS 1974-2003/May
Examined 100 files	
1	240: PAPERCHEM 1967-2003/Jun W4

4 266: FEDRIP_2003/May
 11 285: BioBusiness(R)_1985-1998/Aug W1
 5 292: GEOBASE(TM)_1980-2003/Jun
 1 315: ChemEng & Biotec Abs_1970-2003/May
 3 340: CLAIMS(R)/US Patent_1950-03/Jun 24
 1 342: Derwent Patents Citation Indx_1978-01/200314
 1 345: Inpadoc/Fam.& Legal Stat_1968-2003/UD=200324
 9 348: EUROPEAN PATENTS_1978-2003/Jun W03
 21 349: PCT FULLTEXT_1979-2002/UB=20030619,UT=20030612
 Examined 150 files
 16 357: Derwent Biotech Res._1982-2003/Jun W4
 1 358: Current BioTech Abs_1983-2003/May
 3 399: CA SEARCH(R)_1967-2003/UD=13826
 2 434: SciSearch(R) Cited Ref Sci_1974-1989/Dec
 45 440: Current Contents Search(R)_1990-2003/Jun 25
 2 484: Periodical Abs Plustext_1986-2003/Jun W3
 Examined 200 files
 31 654: US PAT.FULL._1976-2003/Jun 24
 Examined 250 files

39 files have one or more items; file list includes 283 files.

? rank files

Your last SELECT statement was:

S INSECT? AND BLASTOSPORE?

Ref	Items	File
N1	112	50: CAB Abstracts_1972-2003/May
N2	101	5: Biosis Previews(R)_1969-2003/Jun W3
N3	46	10: AGRICOLA_70-2003/Jun
N4	45	440: Current Contents Search(R)_1990-2003/Jun 25
N5	42	144: Pascal_1973-2003/Jun W2
N6	36	34: SciSearch(R) Cited Ref Sci_1990-2003/Jun W4
N7	31	654: US PAT.FULL._1976-2003/Jun 24
N8	21	349: PCT FULLTEXT_1979-2002/UB=20030619,UT=20030612
N9	20	203: AGRIS_1974-2003/May
N10	16	357: Derwent Biotech Res._1982-2003/Jun W4

39 files have one or more items; file list includes 283 files.

- Enter P or PAGE for more -

? p

Your last SELECT statement was:

S INSECT? AND BLASTOSPORE?

Ref	Items	File
N11	13	155: MEDLINE(R)_1966-2003/Jun W3
N12	12	71: ELSEVIER BIOBASE_1994-2003/Jun W4
N13	11	285: BioBusiness(R)_1985-1998/Aug W1
N14	9	185: Zoological Record Online(R)_1978-2003/Jun
N15	9	348: EUROPEAN PATENTS_1978-2003/Jun W03
N16	8	162: Global Health_1983-2003/May
N17	7	73: EMBASE_1974-2003/Jun W3
N18	5	292: GEOBASE(TM)_1980-2003/Jun
N19	4	94: JICST-EPlus_1985-2003/Jun W4
N20	4	266: FEDRIP_2003/May

39 files have one or more items; file list includes 283 files.

- Enter P or PAGE for more -

? p

Your last SELECT statement was:

S INSECT? AND BLASTOSPORE?

Ref	Items	File
N21	3	35: Dissertation Abs Online_1861-2003/May
N22	3	340: CLAIMS(R)/US Patent_1950-03/Jun 24
N23	3	399: CA SEARCH(R)_1967-2003/UD=13826
N24	2	47: Gale Group Magazine DB(TM)_1959-2003/Jun 20
N25	2	65: Inside Conferences_1993-2003/Jun W4
N26	2	143: Biol. & Agric. Index_1983-2003/May
N27	2	434: SciSearch(R) Cited Ref Sci_1974-1989/Dec
N28	2	484: Periodical Abs Plustext_1986-2003/Jun W3
N29	1	8: Ei Compendex(R)_1970-2003/Jun W3
N30	1	16: Gale Group PROMT(R)_1990-2003/Jun 24

39 files have one or more items; file list includes 283 files.

- Enter P or PAGE for more -

? p

Your last SELECT statement was:

S INSECT? AND BLASTOSPORE?

Ref	Items	File
N31	1	98: General Sci Abs/Full-Text_1984-2003/May
N32	1	148: Gale Group Trade & Industry DB_1976-2003/Jun 24
N33	1	149: TGG Health&Wellness DB(SM)_1976-2003/Jun W3
N34	1	156: ToxFile_1965-2003/Jun W4
N35	1	240: PAPERCHEM_1967-2003/Jun W4
N36	1	315: ChemEng & Biotec Abs_1970-2003/May
N37	1	342: Derwent Patents Citation Indx_1978-01/200314
N38	1	345: Inpadoc/Fam. & Legal Stat_1968-2003/UD=200324
N39	1	358: Current BioTech Abs_1983-2003/May
N40	0	2: INSPEC_1969-2003/Jun W3

39 files have one or more items; file list includes 283 files.

- Enter P or PAGE for more -

? logoff y

25jun03 10:34:38 User226352 Session D708.3

\$5.13 2.564 DialUnits File411

\$5.13 Estimated cost File411

\$0.70 TELNET

\$5.83 Estimated cost this search

\$5.86 Estimated total session cost 2.787 DialUnits

Logoff: level 02.15.02 D 10:34:39

B The genus **Cordyceps** known as an insect parasite forms a sclerotium in insect bodies and then produces perithecia on the single or multiple stromata produced from sclerotium. Collected **Cordyceps** were identified into 5 species: **Cordyceps militaris**, **C. nutans**, **Cordyceps sphecocephala**, **Isaria japonica**, and **Torrubiella** sp. The fruit bodies of **Cordyceps** in petri-dish cover were fixed by tape and put the lid on water agar plates to isolate these collected **Cordyceps**. The germinated spores were transferred from water agar to Potato dextrose agar (PDA) after six hours. Mycelial growth of **C. nutans** and **C. militaris** was the most successful on Hamada media and was also good on Complete media and PDA. Mannose as a carbon source was good for two species and Glutamic acid as a nitrogen source was satisfactory to **C. militaris** and Asparagine gave a good result to **C. nutans**. **C. militaris** and **C. nutans** showed similar mycelial growth rate on the media that contained thiamine-HCl, biotine or nicotinic acid as a vitamin. When conidia of **C. nutans** were inoculated to insects, mortality was high in *Artogeia napi* L., Hemiptera, *Plutella xylostella* and 50% in Orthoptera, 12% in *Acantholyda posticalise* M, but not *Agelastica coerulea* B. in Aphididae, **C. nutans** was collected from only Hemiptera in nature, but killing effect on other insects was proved. Mycelial growth and fruit-body formation were good on the media that consist of rice powder 5 g, wheat flour 5 g, water 100 ml, but formed fruit-body was not complete stromata but a mass of conidia according to results of observing microscope.

AN 1994:18853 BIOSIS

DN PREV199497031853

TI Studies on distribution and utilization of **Cordyceps militaris** and **C. nutans**.

AU Sung, Jae-Mo (1); Kim, Chun-Hwan; Yang, Kun-Joo; Lee, Hyun-Kyung; Kim, Yang-Sup

CS (1) Dep. Agric. Biol., Kangweon Natl. Univ., Chuncheon South Korea

SO Korean Journal of Mycology, (1993) Vol. 21, No. 2, pp. 94-105.

ISSN: 0253-651X.

AB A *Cordyceps* species arising from larvae of Lepidoptera was collected on 16 September 1994 in a plantation of Japanese larch at Ajigasawa town, Nishitsugaru-gun, Aomori prefecture. Based on the morphological features, this fungus was identified as *C. militaris*. Using this *Cordyceps* material and artificially grown pupae of *Mamestra brassicae* Linne, inoculation experiments to produce *Cordyceps* fruit body in the laboratory were performed as follows: ascospore suspension was prepared from the stroma of the fungus and the living pupae were immersed for a few minutes in this suspension. The pupae thus inoculated were placed on wet Sphagnum moss in deep Petri dishes and kept under diffuse sunlight in the laboratory (room temperature: 15-20 degree C). Forty days after inoculation, **fruit body** initials began to appear from the pupae, which continued to grow and finally were found to contain perithecia with mature asci and ascospores. Similar inoculation experiments were repeated three more times at room temperature or in a growth chamber with controlled temperature and light conditions (7.5-25 degree C). In each experiment, mature **fruit bodies** were formed on the inoculated pupae at high rates (13.8-76.0%).

AN 1995:491051 BIOSIS
DN PREV199598505351
TI Production of *Cordyceps militaris* fruit body on artificially inoculated pupae of *Mamestra brassicae* in the laboratory.

AU Harada, Yukio; Akiyama, Naoji; Yamamoto, Kenji; Shiota, Yasuyuki
CS Fac. Agric., Hirosaki Univ., 3 Bunkyo-cho, Hirosaki, Aomori 036 Japan
SO Nippon Kingakukai Kaiho, (1995) Vol. 36, No. 2, pp. 67-72

were found also in the cytoplasm and vacuoles of **hyphal** cells of isolates from **fruit bodies**. The smaller particles found in partially purified preparations were not readily distinguishable in thin sections from cytoplasmic ribosomes or glycogen like granules.

AN 76:63165 CABA

DN 751324515

TI Viruses associated with Hymenomycetes II. Presence of polyhedral virus-like particles in shiitake mushroom, *Lentinus edodes* (Berk.) Sing

AU Ushiyama, R.; Nakai, Y.

CS Tottori Mycol. Inst., Japan.

SO Reports of the Tottori Mycological Institute, (1975) No. 12, pp. 53-60. 7 fig., 1 graph. See RPP 53, 2921.

ISSN: 0388-8266

DT Journal

LA English

SL Japanese

L9 ANSWER 63 OF 64 CABA COPYRIGHT 2003 CABI

AB The control of basidiocarp initiation in mushrooms by CO₂ and microorganisms in casing material was studied under defined conditions using growth tubes. **Fruit bodies** were not produced in sterilized materials except when activated charcoal was included in the casing layer. Here responses to CO₂ were similar to those obtained in unsterilized casing where carpogenesis was associated with a check of **hyphal** growth over a restricted CO₂ concentration range of 100-1000 p.p.m.

AN 75:8804 CABA

DN 740322623

TI Aseptic fruiting of the cultivated mushroom, *Agaricus bisporus*

AU Long, P. E.; Jacobs, L.

CS University of Technology, Bath, UK.

SO Transactions of the British Mycological Society, (1974) Vol. 63, No. 1, pp. 99-107. 2 fig. 28 ref.

DT Journal

LA English

L9 ANSWER 64 OF 64 CABA COPYRIGHT 2003 CABI

AB Virus particles of 34 nm were found in ultrathin sections of vegetative mycelium, and in sections of cap, stipe and basidiospores of diseased mushrooms. Particles measuring 19 X 50 nm were rarely found in the stipe cytoplasm. Possible particles of 25 nm were detected in disarranged cells of the cap and 34 nm ones in dolipores, the latter implying cell to cell translocation. Virus spread by **hyphal** anastomosis and spores was confirmed.

AN 74:51163 CABA

DN 731303844

TI Electron Microscopy of mycelium, **fruit-bodies** and basidiospores of virus-diseased mushroom, *Agaricus bisporus*

AU Dieleman-van Zaayen, A.; Edwards, R. L. [EDITOR]

CS IPO, Wageningen.

SO *ibid*, (1972) Vol. 8, pp. 425-439. 12 fig. 32 ref.

Meeting Info.: Proceedings of the Eighth International Congress on Mushroom Science.

DT Journal

LA English

SL French; German

=>

ANSWER 31 OF 49 USPATFULL

AB There is disclosed a method for growing **fruit bodies** of *Fistulina hepatica* which comprises the steps of cutting off some parts of side wall of a cultivation vessel close to the fruit body primordium-forming part on a solid medium contained in the vessel having at least the bottom and side walls to form perforations on the wall, and making the **fruit bodies** to grow out of the vessel through the perforations. By this method, the large mature **fruit bodies** can be efficiently obtained in a short period of time.

AN 97:235 USPATFULL

TI Method for growing fruit body of *Fistulina hepatica*

IN Hattori, Ryuichi, Yotsukaido, Japan
Tanaka, Hisashi, Yotsukaido, Japan

PA House Foods Corporation, Higashi-Osaka, Japan (non-U.S. corporation)

PI US 5590489 19970107

AI US 1994-305353 19940913 (8)

DT Utility

FS Granted

L3 ANSWER 5 OF 12 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AB A **Cordyceps** species arising from larvae of Lepidoptera was
collected on 16 September 1994 in a plantation of Japanese larch at
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under diffuse sunlight in the laboratory (room temperature: 15-20 degree
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perithecia with mature asci and ascospores. Similar inoculation
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AN 1995:491051 BIOSIS
DN PREV199598505351
TI Production of **Cordyceps** *militaris* fruit body on artificially
inoculated pupae of *Mamestra brassicae* in the laboratory.
AU Harada, Yukio; Akiyama, Naoji; Yamamoto, Kenji; Shiota, Yasuyuki
CS Fac. Agric., Hirosaki Univ., 3 Bunkyo-cho, Hirosaki, Aomori 036, Japan
SO Nippon Kingakukai Kaiho, (1995) Vol. 36, No. 2, pp. 67-72.
CODEN: NGKKAT. ISSN: 0029-0289.
DT Article
LA Japanese
ED Entered STN: 9 Nov 1995
Last Updated on STN: 9 Nov 1995